



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 0000003
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

EPA Region 5 Records Ctr.



225830

JUL 02 2001

REPLY TO THE ATTENTION OF

SE-5J

HAND DELIVERED

Mr. Sean Linnane
Magellan Development Group
1 West Superior, Suite 200
Chicago, Illinois 60610

RE: Lakeshore East

Dear Mr. Linnane:

U.S. EPA conducted a partial radiation walkover survey of the property proposed for Lakeshore East on June 19, 20, and 29, 2001, and detected three anomalies in radiation levels. These anomalies were found with a gamma count rate meter linked to a Global Positioning System (GPS). Further measurements were made to identify radioactive materials and to determine the gamma exposure rate at the anomalies.

Two of the anomalies are significantly different from the background count rate (at about 100 times background at the southeast anomaly and about 35 times background at the northeast anomaly) that they should be considered strong indications of high soil radioactivity concentrations. Both of these appear to be in depressions adjacent to drains. The third anomaly was not recognized during the survey but appeared as a single data point upon data maps and requires further checking before it is labeled an actual anomaly. The GPS map, a plot of GPS gamma count rate data and a spreadsheet of the data on disk and on hard copy, accompany this letter.

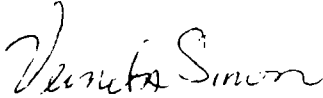
Uranium and thorium radionuclides were specifically identified at the southeast anomaly using a portable multi-channel analyzer. These radionuclides are consistent with those encountered in other Streeterville environmental remediation projects. The dose rates on contact with the ground at the northeast and southeast anomalies were both about 190 microrentgen or more than 20 times background.

By way of explanation, if an area is blank on the GPS map, it means either there were not enough satellites in position over the horizon and out of the shadows of buildings to give sufficient accuracy or the area was not walked by us. We surveyed many areas where GPS was not responding and have clipboard data on these areas. These appeared to be at background gamma count rate levels. U.S. EPA did not survey the entire site because the anomalies detected and the presence of the thorium and uranium contamination warrant a detailed radiation survey by other parties.

Since you intend to commence construction in September 2001, we would like you to fully delineate radioactive contamination at this property prior to construction of Lakeshore East. At a minimum, it should consist of a gamma count rate survey, a subsurface assessment by gamma logging, and a subsurface soil collection for radionuclide identification and quantification at the anomalies. Gamma logging is measuring subsurface gamma exposure rates down a borehole so that seams can be identified and, at least qualitatively, measured. Please let us know within 14 calendar days, if you intend to delineate the anomalies discovered prior to construction.

Your continued cooperation in this matter is highly valued. If you would like to discuss this matter further, please contact me at (312) 886-3601, or Fred Micke, On-Scene Coordinator, at (312) 886-5123 or Larry Jensen, Senior Health Physicist, at (312) 886-5026. Please direct any legal questions to Mary Fulghum, Associate Regional Counsel, at (312) 886-4683 or Cathleen Martwick, Associate Regional Counsel, at (312) 886-7166.

Sincerely,



Verneta Simon
On-Scene Coordinator

Enclosures

1. GPS map of gamma exposure rates
2. Hard copy gamma exposure rates
3. Computer Disk of gamma exposure rates

cc: Naren Prasad, City of Chicago - Department of Environment, w/o enclosures
Benet Haller, City of Chicago - Department of Planning and Development, w/o enclosures